

EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|------------------------|------------------|---------|------------------|
| L1 | 92 | (US-20060191829-\$ or US-20060162809-\$ or US-20060093538-\$ or US-20040076551-\$ or US-20030192616-\$ or US-20070039861-\$ or US-20060278093-\$ or US-20030070430-\$ or US-20020172745-\$ or US-20010004962-\$ or US-20080276641-\$ or US-20020189276-\$).did. or (US-7316249-\$ or US-6644039-\$ or US-6439437-\$ or US-6412527-\$ or US-5490547-\$ or US-4848418-\$ or US-4649809-\$ or US-3615823-\$ or US-3195589-\$ or US-2297190-\$ or US-1976768-\$ or US-0615050-\$ or US-6220296-\$ or US-5823388-\$ or US-4793515-\$ or US-4742939-\$ or US-4653532-\$ or US-4430054-\$ or US-4416194-\$ or US-4140245-\$ or US-3519015-\$ or US-2894664-\$ or US-7238280-\$ or US-6878232-\$ or US-6769462-\$ or US-6010032-\$).did. or (US-5590960-\$ or US-5485941-\$ or US-6089413-\$ or US-6959836-\$ or US-6138724-\$ or US-5502978-\$ or US-5464124-\$ or US-5330783-\$ or US-4200207-\$ or US-3949903-\$ or US-3860394-\$ or US-3650306-\$ or US-5275124-\$ or US-7186430-\$ or US-5908651-\$ or US-6887505-\$ or US-5480063-\$ or US-5121857-\$ or US-3686452-\$ or US-5614238-\$ or US-4809595-\$ or US-6192916-\$ or US-6158481-\$ or US-6098672-\$ or US-4414996-\$ or US-3964112-\$ or US-7243483-\$).did. or (US-6453953-\$ or US- | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/08/03 17:31 |

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|-----|--------|--|--------------------|----|-----|---------------------|
| | | 5445195-\$ or US-2328110-\$ or US-6196422-\$ or US-5738248-\$ or US-3535124-\$ or US-3200992-\$ or US-2506412-\$ or US-1654379-\$ or US-5537838-\$ or US-5535600-\$ or US-1316528-\$ or US-7316243-\$ or US-7089955-\$ or US-6142179-\$ or US-4066097-\$ or US-2306831-\$ or US-3570715-\$ or US-6673311-\$ or US-6656423-\$ or US-6212333-\$ or US-6090281-\$ or US-6164083-\$ or US-4534986-\$).did. or (US-3374811-\$ or US-3195589-\$ or US-2733728-\$).did. | | | | |
| L2 | 29 | 1 and solid | US-PGPUB; USPAT | OR | OFF | 2009/08/03 17:31 |
| S1 | 536 | 141/82.ccls. | USPAT | OR | OFF | 2008/01/24 17:14 |
| S2 | 8 | "67499" | DERWENT | OR | OFF | 2008/01/24 17:14 |
| S3 | 1 | "6367499" | DERWENT | OR | OFF | 2008/01/24 17:15 |
| S4 | 1 | "6367499" | JPO; DERWENT | OR | OFF | 2008/01/24 17:15 |
| S5 | 1 | 1988-067499 | JPO; DERWENT | OR | OFF | 2008/01/24 17:16 |
| S6 | 0 | 1988-67499 | JPO; DERWENT | OR | OFF | 2008/01/24 17:17 |
| S7 | 1 | 1988-067499 | DERWENT | OR | OFF | 2008/01/24 17:17 |
| S8 | 0 | "1988067499" | DERWENT | OR | OFF | 2008/01/24 17:18 |
| S9 | 1 | "88067499" | DERWENT | OR | OFF | 2008/01/24 17:18 |
| S10 | 0 | "8867499" | DERWENT | OR | OFF | 2008/01/24 17:18 |
| S11 | 1 | "88067499" | DERWENT | OR | OFF | 2008/01/24 17:18 |
| S12 | 0 | "88067499.pn." | DERWENT | OR | OFF | 2008/01/24 17:18 |
| S13 | 517340 | "1988".py. | DERWENT | OR | OFF | 2008/01/24 17:19 |
| S14 | 0 | (May S6 "1988").pd. | DERWENT | OR | OFF | 2008/01/24 17:20 |
| S15 | 0 | 05/06/1988.pd. | DERWENT | OR | OFF | 2008/01/24 17:21 |

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|-----|------|----------------------|--------------|----|-----|---------------------|
| S16 | 0 | S6.pd. | DERWENT | OR | OFF | 2008/01/24 17:21 |
| S17 | 0 | S6.pd. | DERWENT | OR | OFF | 2008/01/24 17:21 |
| S18 | 0 | 1988JP-067499.ap. | DERWENT | OR | OFF | 2008/01/24 17:22 |
| S19 | 0 | 1988JP-067499.ap. | JPO; DERWENT | OR | OFF | 2008/01/24 17:22 |
| S20 | 0 | jp1988067499.ap. | JPO; DERWENT | OR | OFF | 2008/01/24 17:23 |
| S21 | 0 | jp198867499.ap. | JPO; DERWENT | OR | OFF | 2008/01/24 17:23 |
| S22 | 2987 | "19880506".ad. | JPO; DERWENT | OR | OFF | 2008/01/24 17:23 |
| S23 | 2039 | "19880506".ad. | DERWENT | OR | OFF | 2008/01/24 17:25 |
| S24 | 1127 | "19880506".pd. | DERWENT | OR | OFF | 2008/01/24 17:28 |
| S25 | 1 | "6667499".pn. | DERWENT | OR | OFF | 2008/01/24 17:30 |
| S26 | 0 | "6667499".an. | DERWENT | OR | OFF | 2008/01/24 17:31 |
| S27 | 1 | "6667499" | DERWENT | OR | OFF | 2008/01/24 17:31 |
| S28 | 0 | "JP 6667499" | DERWENT | OR | OFF | 2008/01/24 17:31 |
| S29 | 0 | "JP 6367499" | DERWENT | OR | OFF | 2008/01/24 17:31 |
| S30 | 1 | "6367499" | DERWENT | OR | OFF | 2008/01/24 17:31 |
| S31 | 0 | "6367499" | JPO | OR | OFF | 2008/01/24 17:31 |
| S32 | 948 | "19880506".ad. | JPO | OR | OFF | 2008/01/24 17:32 |
| S33 | 0 | "63067499" | JPO | OR | OFF | 2008/01/24 17:33 |
| S34 | 0 | "63067499" | JPO; DERWENT | OR | OFF | 2008/01/24 17:33 |
| S35 | 0 | "63-67499" | JPO; DERWENT | OR | OFF | 2008/01/24 17:33 |
| S36 | 0 | jp-6367499-\$.did. | JPO; DERWENT | OR | OFF | 2008/01/24 17:36 |
| S37 | 0 | jp-886367499-\$.did. | JPO; DERWENT | OR | OFF | 2008/01/24 17:36 |
| S38 | 0 | "886367499" | JPO; DERWENT | OR | OFF | 2008/01/24 17:37 |
| S39 | 1 | jp-61160823-\$.did. | JPO; DERWENT | OR | OFF | 2008/01/24 17:40 |

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|-----|------|--|---------------------------|----|-----|---------------------|
| S40 | 2242 | "19861022".ad. | JPO; DERWENT | OR | OFF | 2008/01/24 17:42 |
| S41 | 5 | "160823" | JPO; DERWENT | OR | OFF | 2008/01/24 17:45 |
| S42 | 1 | "61160823" | JPO; DERWENT | OR | OFF | 2008/01/24 17:45 |
| S43 | 2 | ((ICHIRO) near2 (TAKEDA)).INV. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/24 17:46 |
| S44 | 9 | ((KENICHI) near2 (TSUKANO)).INV. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/24 17:47 |
| S45 | 10 | ((KATSUNORI) near2 (TANIKAWA)).INV. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/24 17:50 |
| S46 | 3 | ((MASAAKI) near2 (EDA)). INV. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/24 17:51 |
| S47 | 4501 | canfield | USPAT | OR | OFF | 2008/01/24 18:57 |
| S48 | 0 | ",in." | USPAT | OR | OFF | 2008/01/24 18:57 |
| S49 | 435 | canfield.in. | USPAT | OR | OFF | 2008/01/24 18:57 |
| S50 | 26 | ("2018119" "2894664" "2972546" "3195589" "3235129" "3519015" "4140245" "4416194" "4430054" "4653532" "4742939" "4793515" "5062548" "5275212" "5665228" "5738248" "5823388" "6220296" "6317903").PN. OR ("6439437").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/24 19:48 |
| S51 | 3 | ("3195589").URPN. | USPAT | OR | OFF | 2008/01/24 19:57 |
| S52 | 15 | ("1766287" "3259273" "3370755" "3731845" "4148334").PN. OR ("4793515").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/28 17:18 |
| S53 | 26 | ("2018119" "2894664" "2972546" "3195589" "3235129" "3519015" "4140245" "4416194" "4430054" "4653532" "4742939" "4793515" "5062548" "5275212" "5665228" "5738248" "5823388" "6220296" "6317903").PN. OR ("6439437").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/28 17:25 |

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|-----|--------|--|------------------------|----|-----|------------------|
| S54 | 39 | ("3011681" "3162323" "3215312" "3223388" "3266672" "3731845" "3813010" "4061271" "4148334" "4304736").PN. OR ("4742939").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/28 17:32 |
| S55 | 339 | dispenser with recirculat\$4 | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/28 17:37 |
| S56 | 0 | ("2006/0093538").URPN. | USPAT | OR | OFF | 2008/01/28 17:53 |
| S57 | 5 | ("5500081" "5791970" "6200414" "6207068").PN. OR ("6878232").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/28 18:12 |
| S58 | 23 | ("20020048213" "4019653" "4705083" "4813000" "5065695" "5108074" "5129551" "5148945" "5305917" "5328057" "5485941" "5590960" "5632314" "5738716" "5938080" "6010032" "6152999" "6174356" "6183548" "6258323" "6439437").PN. OR ("6769462").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/28 18:32 |
| S59 | 10 | ("3216622" "4371096" "5556002").PN. OR ("5823388").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/28 19:08 |
| S60 | 3 | ("3195589").URPN. | USPAT | OR | OFF | 2008/01/28 19:26 |
| S61 | 364 | dispenser with liquid with solid | USPAT | OR | OFF | 2008/01/28 19:28 |
| S62 | 1163 | filler near tank | USPAT | OR | OFF | 2008/01/29 14:23 |
| S63 | 136189 | recirculation recycle recirculate "continuous flow" recirculating | USPAT | OR | OFF | 2008/01/29 14:24 |
| S64 | 73 | S62 and S63 | USPAT | OR | OFF | 2008/01/29 14:24 |
| S65 | 62 | filler with recirculation | USPAT | OR | OFF | 2008/01/29 14:40 |
| S66 | 52 | beverage with (recirculat \$4 or loop or "continuous flow" or recycle recover or recovery) with (sterilize or heat or pasteuriz\$5) | USPAT | OR | OFF | 2008/01/29 15:33 |
| S67 | 1 | "6112541".PN. | USPAT; USOCR | OR | OFF | 2008/01/29 15:43 |
| S68 | 292 | "constant flow" with dispens\$4 | USPAT | OR | OFF | 2008/01/29 16:08 |

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|-----|------|---|---------------------------|----|-----|---------------------|
| S69 | 1 | "filler tank" with dispenser | USPAT | OR | OFF | 2008/01/29 16:47 |
| S70 | 99 | "filler tank" | USPAT | OR | OFF | 2008/01/29 16:49 |
| S71 | 882 | 222/318.ccls. | USPAT | OR | OFF | 2008/01/29 17:03 |
| S72 | 21 | overflow near5 direct near5 valve | USPAT | OR | OFF | 2008/01/29 17:37 |
| S73 | 21 | (probe or sensor or float) near5 "overflow valve" | USPAT | OR | OFF | 2008/01/29 17:42 |
| S74 | 7 | beverage with "solid component" | USPAT | OR | OFF | 2008/01/30 10:48 |
| S75 | 777 | juice near5 pulp | USPAT | OR | OFF | 2008/01/30 10:57 |
| S76 | 15 | beverage near sedimen\$6 | USPAT | OR | OFF | 2008/01/30 10:59 |
| S77 | 0 | ("(1111111 2222222 3333333)").PN. | USPAT; USOCR | OR | OFF | 2008/01/30 11:12 |
| S78 | 3 | (1111111 2222222 3333333).pn. | USPAT | OR | OFF | 2008/01/30 11:12 |
| S79 | 26 | bottling and juice near5 pulp | USPAT | OR | OFF | 2008/01/30 11:36 |
| S80 | 7 | ("4441406").PN. OR ("5614238").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/30 11:53 |
| S81 | 42 | (overflow or overfill) with (redirect or divert or siphon) with valve with (sensor or probe or float) | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/30 12:11 |
| S82 | 0 | overflow near trigger near pump | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/30 12:40 |
| S83 | 0 | overflow near5 trigger near5 pump | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/30 12:40 |
| S84 | 6 | (fill or overflow or overfill) near5 (sensor or probe or float) with trigger with (divert or drain or pump) | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/30 12:42 |
| S85 | 41 | (fill or overflow or overfill) near5 trigger near10 (divert or drain or pump) | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/30 12:46 |
| S86 | 2664 | (sensor or float or probe or meter) near4 (fill or overflow or overfill or level) with open near4 valve | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/30 15:26 |
| S87 | 1794 | (sensor or float or probe or meter) near4 (fill or overflow or overfill or level) near10 open near4 valve | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/30 15:27 |

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|-----|------|--|---------------------------|----|-----|---------------------|
| S88 | 50 | ("0580169" "1095463" "1727733" "2428044" "2713973" "2738852" "2772979" "3018184" "3200568" "3232770" "3368330" "3891779" "3973048" "4023941" "4087261" "4210176" "4343630" "4419301" "4486203" "4560564" "4637936" "4684531" "4755194" "4853246" "4872919" "4876100" "5020303" "5085882" "5141756" "5242701" "5261282" "5308384" "5403475" "5405435" "5443857" "5494691" "5503064" "5514389" "5804240").PN. OR ("5908651").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/30 16:44 |
| S89 | 34 | "249466" | USPAT; JPO; DERWENT | OR | OFF | 2008/03/18 11:33 |
| S90 | 1 | "7033406".pn. | DERWENT | OR | OFF | 2008/05/19 13:54 |
| S91 | 1 | "5515888".pn. | US-PGPUB; USPAT | OR | OFF | 2008/06/04 17:04 |
| S92 | 1 | "6499517".pn. | US-PGPUB; USPAT | OR | OFF | 2008/06/04 17:05 |
| S93 | 4627 | 141/67.ccls. or 222/1.ccls. or 222/4.ccls. or 222/14. ccls. or 222/71.ccls. or 222/73.ccls. or 222/63. ccls. or 222/52.ccls. | US-PGPUB; USPAT | OR | OFF | 2008/06/04 17:08 |
| S94 | 1 | (filling and pump and valve and meter and quantity and pressure and constant and after-run).clm. | US-PGPUB; USPAT | OR | OFF | 2008/06/04 17:14 |
| S95 | 27 | 141/13.ccls. | US-PGPUB; USPAT | OR | OFF | 2008/06/04 17:25 |
| S96 | 2 | (5908651 4809595).pn. | US-PGPUB; USPAT | OR | OFF | 2008/07/03 16:37 |
| S97 | 20 | ("4687137" "4850514" "5277344" "5407101" "5458684" "5620139"). PN. OR ("6089413").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/01/16 11:28 |
| S98 | 18 | ("5336320" "5407101" "5747102" "5934520" "6036106" "6056155" "6089413" "6164568" "6253957" "6296463" "6422428" "RE33481"). PN. OR ("6669057").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/01/16 11:32 |

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|------|------|--|---------------------------|----|-----|---------------------|
| S99 | 0 | ("2006/0093538").URPN. | USPAT | OR | OFF | 2009/02/09 13:09 |
| S100 | 4889 | (reflux or recirculate or recirculating or recirculated or refluxed or refluxing) with (constantly or constant) | US-PGPUB; USPAT | OR | OFF | 2009/02/09 14:25 |
| S101 | 643 | S100 with (liquid or fluid or beverage) | US-PGPUB; USPAT | OR | OFF | 2009/02/09 14:25 |
| S102 | 6 | S100 and "141".clas. | US-PGPUB; USPAT | OR | OFF | 2009/02/09 14:46 |
| S103 | 614 | 141/82.ccls. | US-PGPUB; USPAT | OR | OFF | 2009/02/09 14:47 |
| S104 | 26 | ("2018119" "2894664" "2972546" "3195589" "3235129" "3519015" "4140245" "4416194" "4430054" "4653532" "4742939" "4793515" "5062548" "5275212" "5665228" "5738248" "5823388" "6220296" "6317903").PN. OR ("6439437").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/09 14:54 |
| S105 | 38 | ("2485246" "2661015" "2830613" "2975347" "3276634" "3521704" "3645327" "3669314").PN. OR ("4055279").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/09 15:08 |
| S106 | 796 | 141/285 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/09 15:22 |
| S107 | 778 | S106 not S103 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/09 15:22 |
| S108 | 447 | 141/285.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/09 15:45 |
| S109 | 635 | 141/302.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/09 15:45 |
| S110 | 1392 | S103 S106 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/09 15:45 |
| S111 | 544 | S109 not S110 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/09 15:45 |
| S112 | 1936 | S109 S110 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/09 16:11 |
| S114 | 762 | 222/146.1.ccls. | US-PGPUB; USPAT | OR | OFF | 2009/02/09 16:11 |
| S115 | 744 | S114 not S112 | US-PGPUB; USPAT | OR | OFF | 2009/02/09 16:11 |
| S116 | 896 | 222/318.ccls. | US-PGPUB; USPAT | OR | OFF | 2009/02/09 17:21 |
| S117 | 2547 | S114 S112 | US-PGPUB; USPAT | OR | OFF | 2009/02/09 17:21 |

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|------|------|-------------------|---------------------------|----|-----|---------------------|
| S118 | 859 | S116 not S117 | US-PGPUB; USPAT | OR | OFF | 2009/02/09 17:21 |
| S119 | 10 | ("1654379").URPN. | USPAT | OR | OFF | 2009/02/09 19:02 |
| S120 | 223 | 222/424.ccls. | US-PGPUB; USPAT | OR | OFF | 2009/02/09 19:14 |
| S121 | 3406 | S116 S117 | US-PGPUB; USPAT | OR | OFF | 2009/02/09 19:14 |
| S122 | 189 | S120 not S121 | US-PGPUB; USPAT | OR | OFF | 2009/02/09 19:14 |
| S123 | 0 | "jason niesz" | USPAT | OR | OFF | 2009/02/10 15:28 |
| S124 | 39 | niesz | USPAT | OR | OFF | 2009/02/10 15:28 |
| S125 | 7 | jason and niesz | USPAT | OR | OFF | 2009/02/10 15:29 |
| S126 | 614 | 137/563.ccls. | US-PGPUB; USPAT | OR | OFF | 2009/02/10 16:24 |
| S127 | 614 | 141/82.ccls. | US-PGPUB; USPAT | OR | OFF | 2009/02/10 16:25 |
| S128 | 796 | 141/285 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/10 16:25 |
| S129 | 637 | 141/302.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/10 16:25 |
| S130 | 1392 | S127 S128 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/10 16:25 |
| S131 | 1938 | S129 S130 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/10 16:25 |
| S132 | 762 | 222/146.1.ccls. | US-PGPUB; USPAT | OR | OFF | 2009/02/10 16:25 |
| S133 | 896 | 222/318.ccls. | US-PGPUB; USPAT | OR | OFF | 2009/02/10 16:25 |
| S134 | 2549 | S132 S131 | US-PGPUB; USPAT | OR | OFF | 2009/02/10 16:25 |
| S135 | 223 | 222/424.ccls. | US-PGPUB; USPAT | OR | OFF | 2009/02/10 16:25 |
| S136 | 3408 | S133 S134 | US-PGPUB; USPAT | OR | OFF | 2009/02/10 16:25 |
| S137 | 189 | S135 not S136 | US-PGPUB; USPAT | OR | OFF | 2009/02/10 16:25 |
| S138 | 189 | S137 | US-PGPUB; USPAT | OR | OFF | 2009/02/10 16:25 |
| S139 | 3597 | S135 S136 | US-PGPUB; USPAT | OR | OFF | 2009/02/10 16:25 |
| S140 | 581 | S126 not S139 | US-PGPUB; USPAT | OR | OFF | 2009/02/10 16:25 |
| S141 | 4178 | S126 S139 | US-PGPUB; USPAT | OR | OFF | 2009/02/10 17:24 |

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|------|------|--|---------------------------|----|-----|---------------------|
| S142 | 442 | 366/136.ccls. | US-PGPUB; USPAT | OR | OFF | 2009/02/10 17:25 |
| S143 | 325 | 366/137.ccls. | US-PGPUB; USPAT | OR | OFF | 2009/02/10 18:06 |
| S144 | 2703 | "3631" S142 | US-PGPUB; USPAT | OR | OFF | 2009/02/10 18:06 |
| S145 | 4605 | S141 S142 | US-PGPUB; USPAT | OR | OFF | 2009/02/10 18:06 |
| S146 | 273 | S143 not S145 | US-PGPUB; USPAT | OR | OFF | 2009/02/10 18:07 |
| S147 | 216 | 366/159.1.ccls. | US-PGPUB; USPAT | OR | OFF | 2009/02/10 18:18 |
| S148 | 4878 | S143 S145 | US-PGPUB; USPAT | OR | OFF | 2009/02/10 18:19 |
| S149 | 152 | S147 not S148 | US-PGPUB; USPAT | OR | OFF | 2009/02/10 18:19 |
| S150 | 5030 | S147 S148 | US-PGPUB; USPAT | OR | OFF | 2009/02/10 18:24 |
| S151 | 1686 | S150 and (constantly or constant or continuous or continuously) | US-PGPUB; USPAT | OR | OFF | 2009/02/10 18:24 |
| S152 | 286 | S150 and ((constantly or constant or continuous or continuously) with (reflux or return recirculate or recirculation or recirculating or refluxing or recirculated or returned or refluxed)) | US-PGPUB; USPAT | OR | OFF | 2009/02/10 18:26 |
| S153 | 8 | "3570715" | US-PGPUB; USPAT | OR | OFF | 2009/02/11 11:10 |
| S154 | 0 | "3570715.pn." | US-PGPUB; USPAT | OR | OFF | 2009/02/11 11:10 |
| S155 | 1 | "3570715".pn. | US-PGPUB; USPAT | OR | OFF | 2009/02/11 11:10 |
| S156 | 79 | (US-20060191829-\$ or US- 20060162809-\$ or US- 20060093538-\$ or US- 20040076551-\$ or US- 20030192616-\$).did. or (US-7316249-\$ or US- 6644039-\$ or US-6439437- \$ or US-6412527-\$ or US- 5490547-\$ or US-4848418- \$ or US-4649809-\$ or US- 3615823-\$ or US-3195589- \$ or US-2297190-\$ or US- 1976768-\$ or US-0615050- \$ or US-6220296-\$ or US- 5823388-\$ or US-4793515- \$ or US-4742939-\$ or US- 4653532-\$ or US-4430054- | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 14:06 |

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|------|-----|---|--------------------|----|-----|---------------------|
| | | \$ or US-4416194-\$ or US-4140245-\$ or US-3519015-\$ or US-2894664-\$ or US-7238280-\$ or US-6878232-\$ or US-6769462-\$ or US-6010032-\$).did. or (US-5590960-\$ or US-5485941-\$ or US-6089413-\$ or US-6959836-\$ or US-6138724-\$ or US-5502978-\$ or US-5464124-\$ or US-5330783-\$ or US-4200207-\$ or US-3949903-\$ or US-3860394-\$ or US-3650306-\$ or US-5275124-\$ or US-7186430-\$ or US-5908651-\$ or US-6887505-\$ or US-5480063-\$ or US-5121857-\$ or US-3686452-\$ or US-5614238-\$ or US-4809595-\$ or US-6192916-\$ or US-6158481-\$ or US-6098672-\$ or US-4414996-\$ or US-3964112-\$ or US-7243483-\$).did. or (US-6453953-\$ or US-5445195-\$ or US-2328110-\$ or US-6196422-\$ or US-5738248-\$ or US-3535124-\$ or US-3200992-\$ or US-2506412-\$ or US-1654379-\$ or US-5537838-\$ or US-5535600-\$ or US-1316528-\$ or US-7316243-\$ or US-7089955-\$ or US-6142179-\$ or US-4066097-\$ or US-2306831-\$ or US-3570715-\$).did. or (US-3374811-\$ or US-3195589-\$ or US-2733728-\$).did. | | | | |
| S157 | 24 | S156 and sensor | US-PGPUB; USPAT | OR | OFF | 2009/02/12 14:07 |
| S158 | 32 | S156 and (heat or heater or pasteurize) | US-PGPUB; USPAT | OR | OFF | 2009/02/12 14:18 |
| S159 | 144 | (water with heat with sterilize) | US-PGPUB; USPAT | OR | OFF | 2009/02/12 14:46 |

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|------|----|---|---------------------------|----|-----|---------------------|
| S160 | 88 | (US-20060191829-\$ or US-20060162809-\$ or US-20060093538-\$ or US-20040076551-\$ or US-20030192616-\$ or US-20070039861-\$ or US-20060278093-\$ or US-20030070430-\$ or US-20020172745-\$ or US-20010004962-\$).did. or (US-7316249-\$ or US-6644039-\$ or US-6439437-\$ or US-6412527-\$ or US-5490547-\$ or US-4848418-\$ or US-4649809-\$ or US-3615823-\$ or US-3195589-\$ or US-2297190-\$ or US-1976768-\$ or US-0615050-\$ or US-6220296-\$ or US-5823388-\$ or US-4793515-\$ or US-4742939-\$ or US-4653532-\$ or US-4430054-\$ or US-4416194-\$ or US-4140245-\$ or US-3519015-\$ or US-2894664-\$ or US-7238280-\$ or US-6878232-\$ or US-6769462-\$ or US-6010032-\$).did. or (US-5590960-\$ or US-5485941-\$ or US-6089413-\$ or US-6959836-\$ or US-6138724-\$ or US-5502978-\$ or US-5464124-\$ or US-5330783-\$ or US-4200207-\$ or US-3949903-\$ or US-3860394-\$ or US-3650306-\$ or US-5275124-\$ or US-7186430-\$ or US-5908651-\$ or US-6887505-\$ or US-5480063-\$ or US-5121857-\$ or US-3686452-\$ or US-5614238-\$ or US-4809595-\$ or US-6192916-\$ or US-6158481-\$ or US-6098672-\$ or US-4414996-\$ or US-3964112-\$ or US-7243483-\$).did. or (US-6453953-\$ or US-5445195-\$ or US-2328110-\$ or US-6196422-\$ or US-5738248-\$ or US-3535124-\$ or US-3200992-\$ or US-2506412-\$ or US-1654379-\$ or US-5537838-\$ or US-5535600-\$ or US-1316528-\$ or US-7316243-\$ or US-7089955-\$ or US-6142179-\$ or US-4066097-\$ or US-2306831-\$ or US-3570715- | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/12 18:08 |
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|------|--------|--|---|----|-----|---------------------|
| | | \$ or US-6673311-\$ or US-6656423-\$ or US-6212333-\$ or US-6090281-\$).did. or (US-3374811-\$ or US-3195589-\$ or US-2733728-\$).did. | | | | |
| S161 | 15 | S160 and (sterilize or sterilized) | US-PGPUB; USPAT | OR | OFF | 2009/02/12 18:08 |
| S162 | 1 | "6656423".pn. | US-PGPUB; USPAT | OR | OFF | 2009/02/13 17:14 |
| S163 | 1 | "5502978".pn. | US-PGPUB; USPAT | OR | OFF | 2009/02/13 17:15 |
| S164 | 1 | "1654379".pn. | US-PGPUB; USPAT | OR | OFF | 2009/02/13 17:15 |
| S165 | 3 | S162 S163 S164 | US-PGPUB; USPAT | OR | OFF | 2009/02/13 17:15 |
| S166 | 19 | ("3118289" "4957624" "5083442").PN. OR ("5502978").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/08/03 11:52 |
| S167 | 1151 | 426/520-521.ccls. | US-PGPUB; USPAT | OR | OFF | 2009/08/03 12:11 |
| S168 | 178765 | recycle recirculate or (return with (line or pipe)) | US-PGPUB; USPAT | OR | OFF | 2009/08/03 12:12 |
| S169 | 57 | S167 and S168 | US-PGPUB; USPAT | OR | OFF | 2009/08/03 12:12 |
| S170 | 101 | beverage with (recirculate or recirculated or recirculation) | US-PGPUB; USPAT | OR | OFF | 2009/08/03 12:16 |
| S171 | 0 | jp-200172189-\$.did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/03 13:12 |
| S172 | 0 | jp-72189-\$.did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/03 13:12 |

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